

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 15. Cancel

16. (Currently amended) An image forming system comprising:
a manuscript image reading device to scan a manuscript and obtain shade information
on the manuscript;

an exposure / development device to record a charged latent image in a photosensitive
body based on the shade information obtained by said manuscript image reading device, to
apply toners to the photosensitive body to transfer the toners to a recording medium;

a fixing device to fix the toners transferred to the recording medium by thermal
pressing;

said fixing device having:

a rotational heating member;

a pressing roller for pressing from a bottom of the rotational heating member;

and

a non-contact temperature detector that is provided above a horizontal surface
passing a rotation axis of the rotational heating member and detects a temperature of
said rotational heating member; and
a fan to direct heat convection generated by said rotational heating member to
directions other than the direction of said non-contact temperature detector,

wherein heating of the rotational heating member is controlled by a value detected by
said non-contact temperature detector, and

~~The image forming system according to claim 15,~~ wherein said fan is disposed in a position symmetrical with the non-contact temperature detector, with the heating roller as a center, and the fan exhausts air flow outwardly.

17. (Currently amended) The image forming system according to claim ~~15~~ 16, wherein said fan inhales outside air.

18. (Currently amended) The image forming system according to claim 14 16, wherein said non-contact temperature detector is disposed within a range of 45 degrees with a plane running through a rotation axis of said rotational heating member being angle 0 and the rotation axis being the angle center, and is disposed at a position apart from said rotating heating member by 5 mm or more.

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21. (New) The image forming system according to claim 18, wherein said non-contact temperature detector is disposed at a position apart from said rotating heating member by 5 mm or more.

22. (New) The image forming system according to claim 21, further comprising cleaning means to clean a surface of said rotational heating member, said cleaning means being provided in an upstream side of the rotation direction of the rotational heating member.

23. (New) The image forming system according to claim 16, wherein said non-contact temperature detector has a structure by which a temperature sensor is shielded by a material having magnetic shielding function.

24. (New) The image forming system according to claim 16, wherein said rotation heating member is a heating roller.

25. (New) The image forming system according to claim 24, wherein said heating roller is heated by induction heating using an induction heating device.

26. (New) The image forming system according to claim 24, wherein said heating roller is heated by a heating ray using a heating ray irradiation means.

27. (New) The image forming system according to claim 26, wherein said heating ray is an infrared ray.